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(54) Title of the invention : A QUANTUM-RESISTANT MULTI-FACTOR AUTHENTICATION FRAMEWORK FOR CRITICAL INFRASTRUCTURE NETWORKS

(57) Abstract :

A quantum-resistant multi-factor authentication framework (100) for critical infrastructure networks comprising a post-quantum cryptographic module (101), a biometric authentication unit (102), a behavioral profiling engine (103), and a decentralized identity ledger (104). The system enables secure, adaptive authentication resistant to quantum and classical threats through multi-layer validation and decentralized identity management.

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